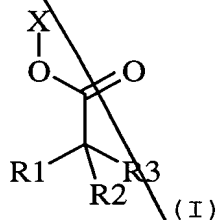


[CLAIMS]

1. An ink jet recording element comprising a support and a receiving layer comprising a pigment and a film-forming polymer latex, characterized in that said polymer latex is a homopolymer or copolymer containing repeating units derived from the following monomer (formula I):



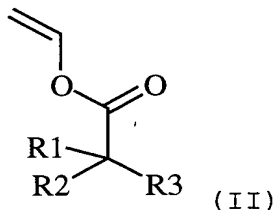
wherein,

X represents an unsaturated polymerisable unit,

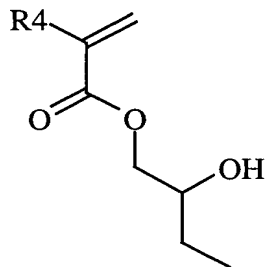
R1 and R2 each independently represent hydrogen, alkyl or aryl,

R3 represents alkyl or aryl.

2. An ink jet recording element according to claim 1, wherein said unsaturated polymerisable unit X is $\text{CH}_2=\text{CH}-$, as shown in the overall monomer structure (II) below:

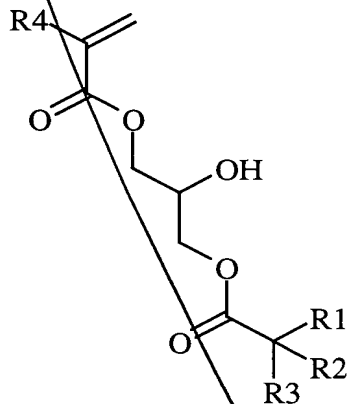


3. An ink jet recording element according to claim 1, wherein said unsaturated polymerisable unit X is:



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wherein R4 represents hydrogen or methyl, as shown in the overall monomer structure (III) below:



(III)

4. An ink jet recording element according to claim 2 wherein R3 is CH₃, and wherein R1 and R2 taken together are C₇H₁₅.
5. An ink jet recording element according to claim 2 wherein R3 is CH₃, and wherein R1 and R2 taken together are C₈H₁₇.
6. An ink jet recording element according to claim 2 wherein R3 is CH₃, and wherein R1 and R2 taken together are C₉H₁₉.
7. An ink jet recording element according to claim 1 wherein said polymer latex is a copolymer containing further repeating units derived from ethylene and/or vinyl acetate monomers.
8. An ink jet recording element according to claim 7 wherein said copolymer is a copoly(ethylene-vinyl acetate-vinyl versatate).
9. An ink jet recording element according to claim 7 wherein said copolymer is a copoly(vinyl acetate-vinyl versatate).
10. An ink jet recording element according to claim 1 wherein said pigment is an inorganic pigment.

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11. An ink jet recording element according to claim 10 wherein said pigment is silica.
12. An ink jet recording element according to claim 1 wherein said receiving layer further contains a binder.
13. An ink jet recording element according to claim 12 wherein said binder is polyvinyl alcohol.
14. An ink jet recording element according to claim 1 wherein said receiving layer further contains a cationic mordant.
15. An ink jet recording element according to claim 14 wherein said cationic mordant is poly(diallyldimethylammonium chloride).
16. An ink jet recording element according to claim 1 further comprising an extra top layer containing a cationic mordant.
17. An ink jet recording element according to claim 16 wherein said cationic mordant in said extra top layer is poly(diallyldimethylammonium chloride).

T E C H N I C A L D E T A I L S